

WHAT IS CLAIMED IS:

1. A resin composite material comprising:  
a thermoplastic resin composition comprising a polyphenylene oxide;  
5 a layered clay mineral dispersed in said thermoplastic resin composition and organized with an organizing agent; and  
a polar compound dispersed in said thermoplastic resin composition and chemically bonded to said layered  
10 clay mineral.
2. The resin composite material according to Claim 1, wherein said polar compound is a phosphate compound.
3. The resin composite material according to  
15 Claim 1, wherein said polar compound is a phosphite.
4. A method of producing a resin composite material comprising: a thermoplastic resin composition comprising a polyphenylene oxide; a layered clay mineral dispersed in said thermoplastic resin  
20 composition and organized with an organizing agent; and a polar compound dispersed in said thermoplastic resin composition and chemically bonded to said layered clay mineral, said method comprising:  
a step of dispersing the polar compound in the  
25 thermoplastic resin composition comprising the polyphenylene oxide, thereby obtaining a mixture of

- said thermoplastic resin composition and said polar compound; and

5 a step of dispersing the layered clay mineral organized with the organizing agent, in said mixture, thereby obtaining said resin composite material.

10 5. A method of producing a resin composite material comprising: a thermoplastic resin composition comprising a polyphenylene oxide; a layered clay mineral dispersed in said thermoplastic resin composition and organized with an organizing agent; and a polar compound dispersed in said thermoplastic resin composition and chemically bonded to said layered clay mineral, said method comprising:

15 a step of mixing the layered clay mineral organized with the organizing agent, and the polar compound, thereby obtaining a complex in which said layered clay mineral and said polar compound are chemically bonded to each other between layers of said layered clay mineral; and

20 a step of dispersing said complex in the thermoplastic resin composition comprising the polyphenylene oxide, thereby obtaining said resin composite material.